

PRELIMINARY PROGRAM



Gmw



**Galleria
mellonella**
WORKSHOP

www.gmw2021.it

JULY 16th-17th, 2021

MILAN, ITALY

Sala Napoleonica

Palazzo Greppi

Università degli Studi di Milano

Galleria mellonella Workshop

This two-day workshop set in the beautiful city of Milan, Italy, will bring together users of, and those interested in using, the model host *Galleria mellonella*, for an unparalleled opportunity to learn from, be inspired by and network with the international research community.

Galleria mellonella larvae can be used as an economical, rapid, high-throughput model to bridge the gap between in vitro studies and mammalian research, thus improving preclinical studies and reducing the number of mammals used in drug testing. *G. mellonella* larvae have been widely used over the past few years as non-mammalian models of microbial infection and for antimicrobial drug screening.

This is particularly relevant as NC3Rs have announced their research highlight for 2019: the use of alternative research models such as *G. mellonella*.

Under the patronage of



UNIVERSITÀ
DEGLI STUDI
DI MILANO

University of Milan
Dipartimento di Scienze della Salute



University of Milan
Dipartimento di Scienze della Salute



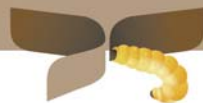
Società Italiana di Microbiologia



Società Italiana Malattie Infettive e Tropicali



Società Italiana di Terapia Antiinfettiva
Antibatterica - Antivirale - Antifungina



Scientific Secretariat

Elisa Borghi · Emerenziana Ottaviano

Dept. of Health Sciences

University of Milan

Via Di Rudinì 8- Blocco C, 8° piano - 20142 Milan - Italy

Phone +39-02 50323240-287

Scientific Committee

Elisa Borghi

University of Milan, Italy

Juliana Campos Junqueira

Universidade Estadual Paulista, Sao Paolo, Brazil

Olivia Champion

BioSystems technology Ltd, Torquay, Devon UK

Mariagrazia Di Luca

University of Pisa, Italy

Julia Stefanie Frick

Universitätsklinikum Tübingen, Tübingen, Germany

Kevin Kavanagh

Maynooth University, Maynooth (Ireland)

Paul Langford

Imperial College London, UK

Eleftherios Mylonakis

Brown University, Rhode Island, US

Christina Nielsen-LeRoux

INRAE Center of Jouy en Josas, Paris, France

Emerenziana Ottaviano

University of Milan, Italy

Richard Titball

University of Exeter, UK

Andreas Vilcinskis

Justus Liebig University of Giessen, Germany

08.30-09.00 Registration

09.00-09.15 Welcome and Introduction to the meeting
S. Centanni (Milan, Italy)

SESSION 1 GALLERIA AS AN INFECTION MODEL

Chair: **J.C. Junqueira** (Sao Paolo, Brazil), **C. Nielsen-LeRoux** (Paris, France)

09.15-09.40 Characterization of the processes leading to *Madurella mycetomatis* grain transformation in *Galleria mellonella* larvae
K. Kavanagh (Maynooth, Ireland)

09.40-10.10 *Galleria mellonella* as an infection model for the *Mycobacterium tuberculosis* complex
P. Langford (London, UK)

10.10-10.55 3 Offered presentation
Young researcher

10.55-11.25 **Coffee Break, networking and posters**

SESSION 2 DRUG DISCOVERY

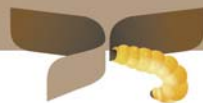
Chair: **J. Frick** (Tubingen, Germany), **R. Titball** (Exeter, UK)

11.25-11.55 *Galleria mellonella*-derived antibicrobial peptides a new antibiotic lead molecules
A. Vilcinskis (Giessen, Germany)

11.55-12.25 *Galleria mellonella* as a novel *in vivo* drug discovery platform using bioluminescent KAPE pathogens
O. Champion (Torquay, Devon UK)

12.25-13.20 3 Offered presentations
Young researcher

13.20-14.30 **Lunch, networking and posters**



SESSION 3 OMICS

Chair: **M. Di Luca** (Pisa, Italy), **P. Langford** (London, UK)

- 14.30-15.00** *Galleria mellonella*: a promising tool in human infection research
J.S. Frick (Tubingen, Germany)
- 15.00-15.30** Omics based study of *Coxiella burnetii* infection
R. Titball (Exeter, UK)
- 15.30-16.00** Coffee Break, networking and posters
- 16.00--17.00** 4 Offered presentation
Young researcher
- 17.00-18.00** Discussion



SESSION 4 MICROBIOTA AND GASTROINTESTINAL PATHOGENS

Chair: **O. Champion** (Torquay, Devon, UK), **A. Vilicinskas** (Giessen, Germany)

09.00-09.30 *Galleria mellonella* gut microbiota manipulation impacts on larval development
E. Borghi (Milan, Italy)

09.30-09.45 *Galleria mellonella* as a model for intestinal infection and histology studies
C. Nielsen-LeRoux (Paris, France)

09.45-10.15 2 Offered presentation
Young researcher

10.15-10.45 **Coffee Break, networking and posters**

SESSION 5 GALLERIA AS BIOFILM - RELATED INFECTION MODEL

Chair: **K. Kavanagh** (Maynooth, Ireland), **E. Mylonakis** (Rhode Island, US)

10.45-11.15 Exploring the *Galleria mellonella* model to study action mechanisms of probiotics on *Candida* biofilms and candidiasis prevention
J.C. Junqueira (Sao Paolo, Brazil)

11.15-11.45 Foreign body infection model in *Galleria mellonella* larvae implanted with stainless steel K-wires
M. Di Luca (Pisa, Italy)

11.45-12.30 3 Offered presentation
Young researcher

12.30-14.00 **Lunch**



Abstracts will be reviewed by the Scientific Committee and may be selected for either **oral or poster presentation**. Abstracts should be submitted in **English**.

Notification of acceptance or rejection by the Scientific Committee will be mailed to the presenting Author.

Detailed information, guidelines and recommendations for oral or poster presentation, as well as time allotment, date, hour and venue will be sent by e-mail to the registered presenting Author.

Please note that the presentation of accepted oral communications and/or posters is subject to the registration of the presenting Author. All the abstracts submitted will be sorted into **session topics** (see below). Total abstract length should be of **300 words** maximum (references and figures excluded).

PRESENTATION

Oral presenters are required to bring their presentation on a USB key and upload it prior to the starting of the Oral Session.

POSTER PRESENTATION

The total available space for a display panel is 80 cm (width) x 120 cm (height).

Poster Area

Poster sessions will be held in the

Poster Installation and Removal

Installation: July, 16th since h 08.30

Removal: July, 17th since h 12.30

Posters that have not been removed by the end of the removal time will be discarded.

ABSTRACT SUBMISSION

MAY 17th - ONLINE SUBMISSION

MAY 31st - NOTIFICATION OF ACCEPTANCE OF ABSTRACTS

TOPICS

- *Galleria* as an infection model
- Drug discovery
- Omics
- Microbiota and gastrointestinal pathogens
- *Galleria* as biofilm-related infection model

The presentation of the abstracts must be made on the website **www.gmw2021.it** in the ABSTRACT section.

CONGRESS VENUE

SALA NAPOLEONICA
Palazzo Greppi
University of Milan
Via Sant'Antonio, 12
20122 Milano (Italy)

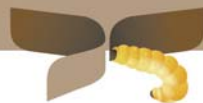
SCIENTIFIC SECRETARIAT

Elisa Borghi
Emerenziana Ottaviano
Dept. of Health Sciences
University of Milan
Via Di Rudinì 8- Blocco C, 8° piano
20142 Milan - Italy
Phone +39-02 50323240-287

ORGANIZING SECRETARIAT



Nadirex International
Via Riviera, 39 - 27100 Pavia (Italy)
Tel. +39 0382 525714
Fax +39 0382 525736
Dr. Gloria Molla (Agency Manager)
mobile: +39 3478589333
Dr. Francesca Granata (Project Leader)
info@gmw2021.it
www.gmw2021.it



REGISTRATION

The registration fee includes:

- Participation at the meeting works
- Congress kit
- Printed material
- Attendance certificate
- Coffee breaks and buffet lunches as on programme
- Post event educational material

REGISTRATION FEES

| | STUDENTS | DELEGATE |
|---|-----------------------------------|----------------------------------|
| Early Bird Fee Until June 4th 2021 | € 100,00* (€ 81,97 + 22% VAT) | € 200,00 (€ 163,93 + 22% VAT) |
| Regular Fee After June 4th 2021 | € 150,00* (€ 122,95 + 22% VAT) | € 250,00 (€ 204,92 + 22% VAT) |

* Undergraduate and post graduate students are eligible for the reduced student registration fee

The delegate and student registration fee includes entrance to all of the workshop sessions, lunch and coffee in the workshop venue. Accommodation and travel is NOT included in the registration fee.

REGISTRATION INSTRUCTIONS

The registration form has to be filled in and sent to the Organizing Secretariat, together with the copy of the payment within **July 15th, 2021**

Registration can be made:

- Online on the website: www.gmw2021.it

METHODS OF PAYMENT

The registration fee can be paid with:

- Bank transfer headed to Nadirex International S.r.l.
c/o: Banca Ubi Banca - Filiale Pavia Porta Cavour
Cab 11305 - Swift Code: BLOPIT22634
IBAN: IT48A031111305000000030112
Please send a copy of payment by e-mail at info@nadirex.com
or by fax: +39 0382525736
- Credit Card: Visa - Master Card - American Express

• **GETTING TO PALAZZO GREPPI**

Palazzo Greppi is located in the centre of Milan, 600m away from the Duomo, and therefore easily reachable on foot.

We suggest to use ATM journey planner to calculate the shortest way to Palazzo Greppi:

<http://www.atm-mi.it/en/Pages/default.aspx>

• **Directions from Malpensa Airport**

People arriving at Malpensa airport can take the Shuttle bus to Milano Centrale Railway Station (about 50 min; bus ticket: 11 euros, one way, 16 euros return) or the Express train to Cadorna Station (40 min.), Garibaldi Station (50 minutes) or Central station (60 min). (Train ticket: 13 euros one-way/20 euros return)

<http://www.malpensashuttle.it/e-index2.php>

<http://www.malpensaexpress.it/>

- From Milan Central Station, please take the yellow line (metro M3), direction SAN DONATO, and stop at Duomo.

- From Cadorna Station, please take the red line (metro M1), direction SESTO SAN GIOVANNI, and stop at Duomo.

- From Garibaldi Station, take the green line (metro M2), direction GES-SATE, change in Milan Central Station, and then please take the yellow line (metro M3), direction SAN DONATO, and stop at Duomo.

• **Directions from Linate Airport**

People arriving at Linate Airport can take the bus 73 from Milan Linate Airport to Milan city centre, which is the cheapest option and takes around 25 min. Alternatively, they can take the Shuttle bus to Milano Centrale Railway Station (about 25 min; bus ticket: 5 euros, one way, 9 euros return)

<https://www.milano-aeroporti.it/liniate-shuttle/en/index.html>

• **Directions from Orio al Serio Airport**

People arriving at Orio al Serio airport can take the Shuttle bus (about 50 min.) to Milano Centrale Railway station (5 euros one way, 8 euros return): http://www.orioshuttle.com/_eng/ - <https://autostradale.it>

From Milan Central Railway Station, please take the yellow line (metro M3), direction SAN DONATO, and stop at Duomo.

• **By train** (quickest and also cheapest)

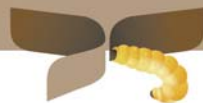
All international trains arrive at Milano Centrale Railway Station.

Once there, please take the yellow line (metro M3), direction SAN DONATO, and stop at Duomo. A train timetable can be downloaded from:

http://www.trenitalia.com/homepage_en.html

• **By taxi (+39 024040; +39 028585; +39 026969)**

Reaching Milano city centre by taxi directly from the airports is practical, but more expensive. If landing in Malpensa or Orio al Serio airports, it is advisable to first reach Milan city centre using public transportation and then use a taxi (as an alternative to metro) to reach your accommodation. A taxi from Malpensa or Orio al Serio airports costs about 100€. Prices can change depending on the traffic jam.



For the accommodation in Milan, please contact directly the following **partner hotels**:

- **HOTEL BRUNELLESCHI**

Via Flavio Baracchini 12, Milan
Phone: +39 (0)2 88431
E-mail: booking.brunelleschi@milanhotel.it
300 mt from Palazzo Greppi

- **HOTEL GALILEO**

Corso Europa 9, Milan
Phone: (0)2 77431
E-mail: galileo@milanhotel.it
450 mt from Palazzo Greppi

Or the other hotels, near the congress venue:

- **HOTEL ASCOT**

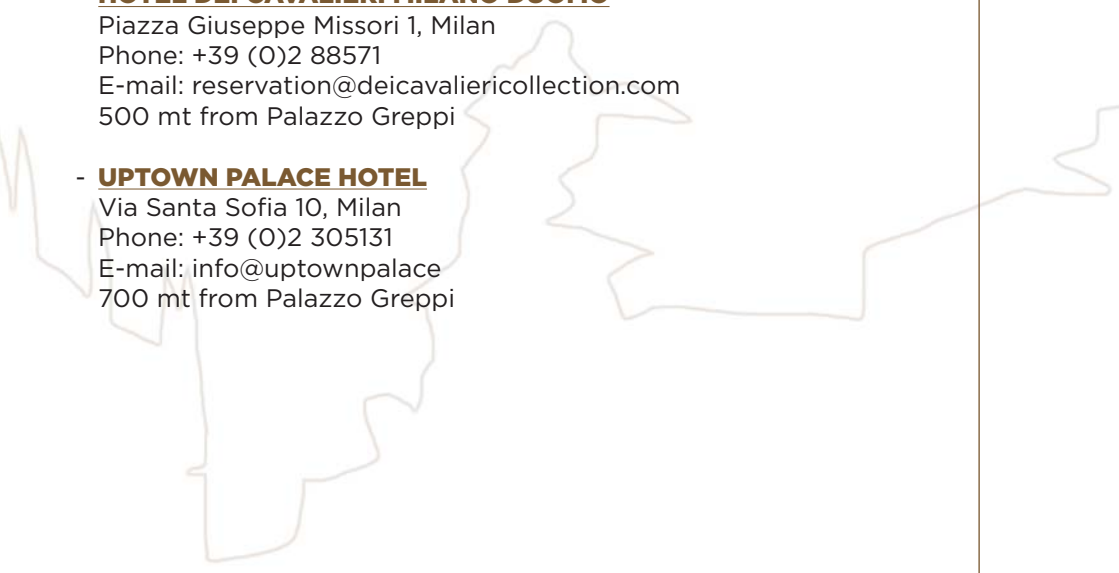
Via Lentasio 3, Milan
Phone: +39 (0)2 5830 3300
E-mail: reservation@hotelascotmilano.it
450 mt from Palazzo Greppi

- **HOTEL DEI CAVALIERI MILANO DUOMO**

Piazza Giuseppe Missori 1, Milan
Phone: +39 (0)2 88571
E-mail: reservation@deicavaliericollection.com
500 mt from Palazzo Greppi

- **UPTOWN PALACE HOTEL**

Via Santa Sofia 10, Milan
Phone: +39 (0)2 305131
E-mail: info@uptownpalace
700 mt from Palazzo Greppi



Galleria Mellonella Workshop

JULY 16th-17th, 2021 - MILAN, ITALY

Fill in using block letters and send by July 15th, 2021

Registration on-line: www.gmw2021.it

ALL THE FOLLOWING DATA ARE REQUESTED

Name Surname

Profession Discipline

Address

Postal Code Town/City Province

Tel. Mobile Tel.

Fax E-mail

INVOICE INFORMATION (MANDATORY) - Invoice headed to:

Name/Last name or company name

Address

Postal Code Town/City Province

VAT Number Fiscal Code

Birth date Birth place

REGISTRATION FEES

STUDENTS - Early Bird Fee Until June 4th 2021 € 100,00* (€ 81,97 + 22% VAT)

Regular Fee After June 4th 2021 € 150,00* (€ 122,95 + 22% VAT)

DELEGATE - Early Bird Fee Until June 4th 2021 € 200,00 (€ 163,93 + 22% VAT)

Regular Fee After June 4th 2021 € 250,00 (€ 204,92 + 22% VAT)

* Undergraduate and post graduate students are eligible for the reduced student registration fee

The delegate and student registration fee includes entrance to all of the workshop sessions, lunch and coffee in the workshop venue.

Accommodation and travel is NOT included in the registration fee.

METHOD OF PAYMENT

Bank transfer headed to Nadirex International S.r.l.
c/o: Banca Ubi Banca - Filiale Pavia Porta Cavour
Cab 11305 - Swift Code: BLOPIT22634 - IBAN: IT48A031111305000000030112
Please send a copy of payment by e-mail at info@nadirex.com
or by fax: +39 0382525736

Credit Card: Visa - Master Card - American Express

Card Number CV2 code Expiry date

Credit Card holder Signature

I authorise the use of my personal data in accordance with Legislative Decree 196/2003

Date Signature



With the unrestricted grant of


charles river

 **ESGB** ESCMID STUDY GROUP
FOR BIOFILMS
European Society of Clinical Microbiology and Infectious Diseases

 **Federation of European
Microbiological Societies**

 **Metagenics**[™]
Genetic Potential Through Nutrition

 **MICROBIOLOGY
SOCIETY**